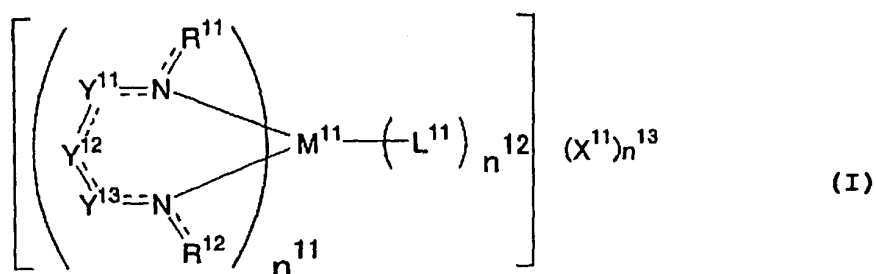


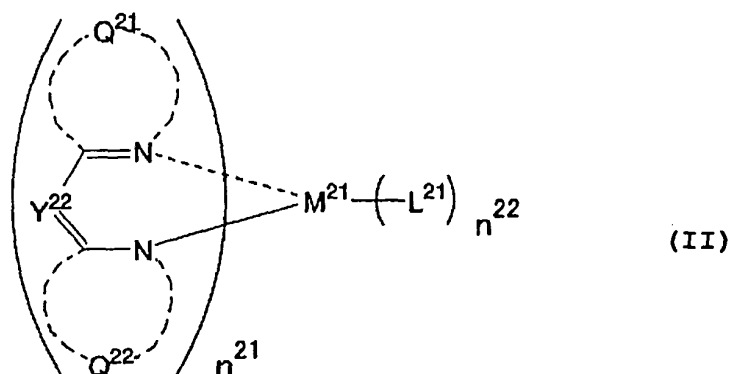
WHAT IS CLAIMED IS:

1. An organic electroluminescent device comprising:
a pair of electrodes; and
at least one organic layer provided between the pair of
5 electrodes, at least one of the at least one organic layer being
a light emitting layer,
wherein the light-emitting layer comprises a compound
represented by the formula (I):



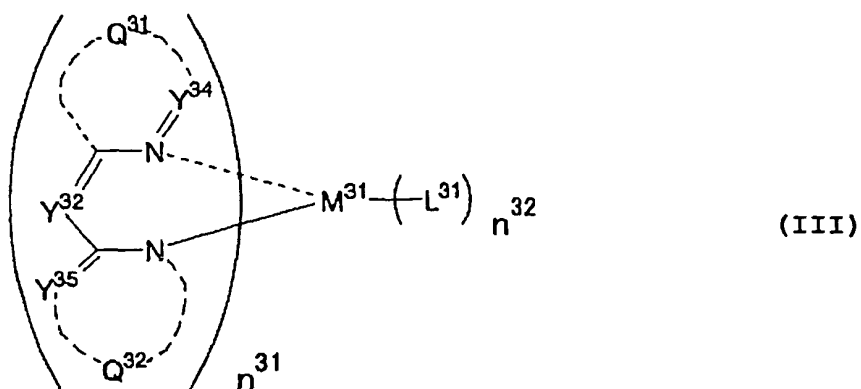
- wherein R^{11} and R^{12} each represent a hydrogen atom or a
substituent; Y^{11} , Y^{12} , and Y^{13} each represent a substituted or
unsubstituted carbon atom, a substituted or unsubstituted
nitrogen atom, an oxygen atom or a sulfur atom; M^{11} represents
20 a transition metal ion; L^{11} represents a ligand; X^{11} represents
a counter ion; n^{11} represents an integer of 1 to 3; n^{12} represents
an integer of 0 to 4; and n^{13} represents an integer of 0 to 4;
with proviso that a compound in which R^{11} and R^{12} are connected
together to form a porphyrin ring is excluded.

2. The organic electroluminescent device of claim 1, wherein the compound represented by the formula (I) is a compound represented by the formula (II):



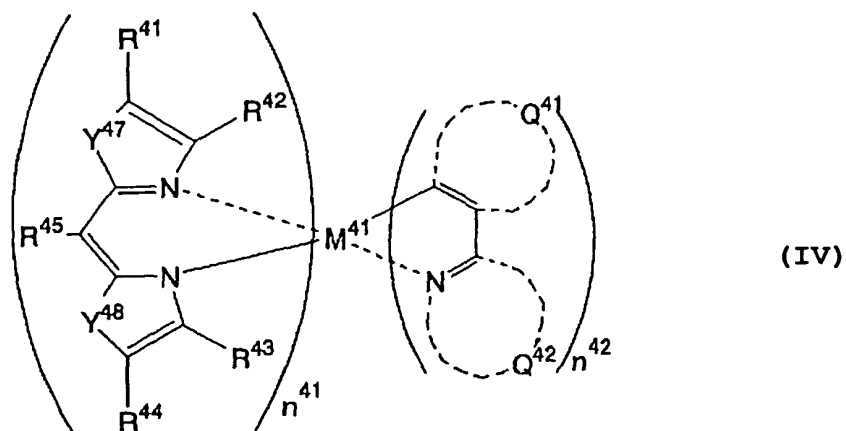
wherein Q^{21} and Q^{22} each represent a group necessary to form a nitrogen-containing heterocyclic ring; Y^{22} represents a
 15 nitrogen atom or a substituted or unsubstituted carbon atom;
 M^{21} represents a transition metal ion; L^{21} represents a ligand;
 n^{21} represents an integer of 1 to 3; and n^{22} represents an integer
 of 0 to 4.

20 3. The organic electroluminescent device of claim 1, wherein the compound represented by the formula (I) is a compound represented by the formula (III):



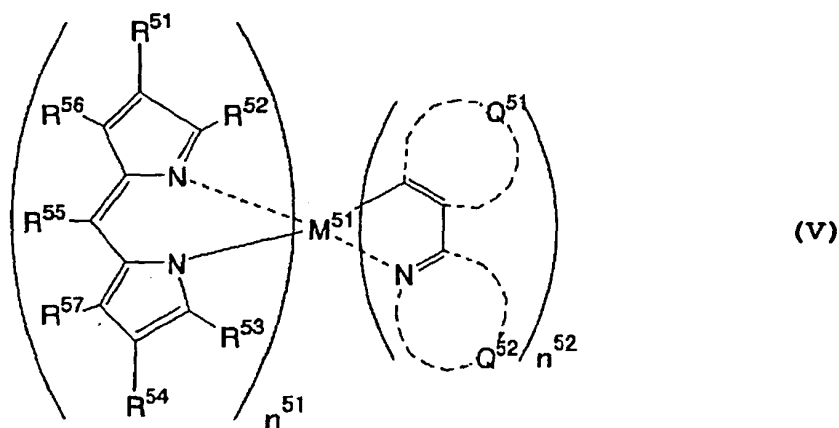
wherein Q^{31} and Q^{32} each represent a group necessary to form a nitrogen-containing heterocyclic ring; Y^{32} , Y^{34} , and Y^{35} each represent a nitrogen atom or a substituted or unsubstituted carbon atom; M^{31} represents a transition metal ion; L^{31} represents a ligand; n^{31} represents an integer of 1 to 3; and n^{32} represents an integer of 0 to 4.

4. The organic electroluminescent device of claim 2, wherein the compound represented by the formula (II) is a compound represented by the formula (IV):



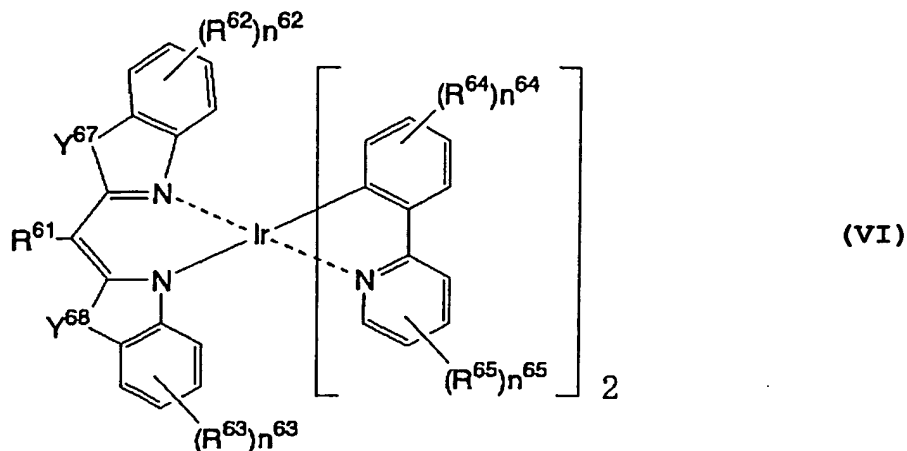
wherein R^{41} , R^{42} , R^{43} , R^{44} , and R^{45} each represent a hydrogen atom or a substituent; Y^{47} and Y^{48} each represent an oxygen atom, a sulfur atom, a quaternary carbon atom or a substituted or unsubstituted nitrogen atom; Q^{41} represents a group necessary to form an aromatic ring; Q^{42} represents a group necessary to form a nitrogen-containing heterocyclic ring; n^{41} and n^{42} each represent 1 or 2; and M^{41} represents a transition metal ion.

5. The organic electroluminescent device of claim 3, wherein the compound represented by the formula (III) is a compound represented by the formula (V):



wherein R^{51} , R^{52} , R^{53} , R^{54} , R^{55} , R^{56} , and R^{57} each represent a hydrogen atom or a substituent; Q^{51} represents a group necessary to form an aromatic ring; Q^{52} represents a group necessary to form a nitrogen-containing heterocyclic ring; n^{51} and n^{52} each represent 1 or 2; and M^{51} represents a transition metal ion.

6. The organic electroluminescent device of claim 5, wherein the compound represented by the formula (V) is a compound represented by the formula (VI):



wherein Y^{67} and Y^{68} each represent an oxygen atom, a sulfur atom,
 15 a quaternary carbon atom or a substituted or unsubstituted
 nitrogen atom; R^{61} , R^{62} , R^{63} , R^{64} , and R^{65} each represent a
 substituent; and n^{62} , n^{63} , n^{64} , and n^{65} each represent an integer
 of 0 to 4.

20 7. The organic electroluminescent device of claim 6,
 wherein n^{62} , n^{63} , n^{64} , and n^{65} each represent an integer of 0 to
 2.

8. The organic electroluminescent device of claim 6,
 25 wherein n^{62} , n^{63} , n^{64} , and n^{65} each represent an integer of 0 or

1.

9. The organic electroluminescent device of claim 6,
wherein n^{62} , n^{63} , n^{64} , and n^{65} each represent 0.

5

10. The organic electroluminescent device of claim 1,
wherein M^{11} represents an iridium ion, a platinum ion, a rhenium
ion or a ruthenium ion.

10 11. The organic electroluminescent device of claim 4,
wherein M^{11} represents an iridium ion, a platinum ion, a rhenium
ion or a ruthenium ion.

12. The organic electroluminescent device of claim 5,
15 wherein M^{11} represents an iridium ion, a platinum ion, a rhenium
ion or a ruthenium ion.

13. The organic electroluminescent device of claim 1,
wherein n^{11} represents 1 or 2.

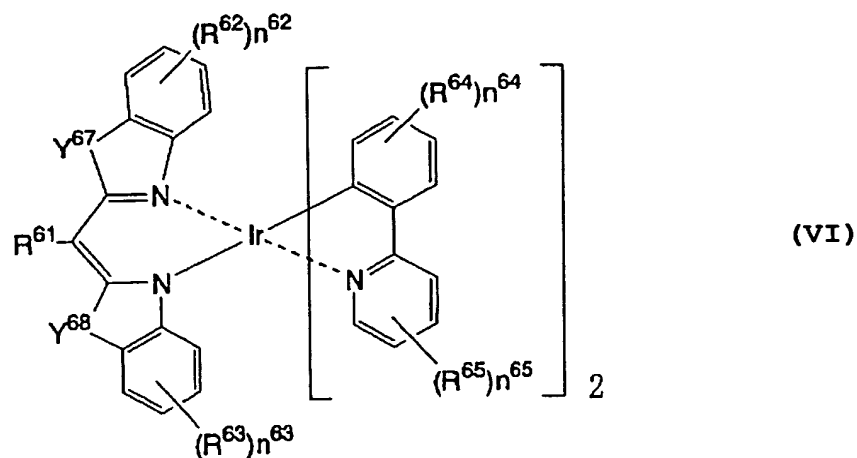
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14. The organic electroluminescent device of claim 1,
wherein n^{12} represents an integer of 0 to 2.

15. The organic electroluminescent device of claim 1,
25 wherein n^{13} represents 0 or 1.

16. The organic electroluminescent device of claim 1,
wherein n^{13} represents 0.

5 17. A compound represented by the formula (VI):



15 wherein Y^{67} and Y^{68} each represent an oxygen atom, a sulfur atom,
a quaternary carbon atom or a substituted or unsubstituted
nitrogen atom; R^{61} , R^{62} , R^{63} , R^{64} , and R^{65} each represent a
substituent; and n^{62} , n^{63} , n^{64} , and n^{65} each represent an integer
of 0 to 4.

20

18. The compound of claim 17, wherein n^{62} , n^{63} , n^{64} , and
 n^{65} each represent an integer of 0 to 2.

19. The compound of claim 17, wherein n^{62} , n^{63} , n^{64} , and
25 n^{65} each represent an integer of 0 or 1.

20. The compound of claim 17, wherein n^{62} , n^{63} , n^{64} , and n^{65} each represent 0.